

INCH-POUND

A-A-59435
27 August 1999
SUPERSEDING
MIL-H-45193D
17 January 1985
MIL-H-45193D(1)
9 January 1986

COMMERCIAL ITEM DESCRIPTION

HEATERS, GUN TYPE, ELECTRIC

The General Services Administration has authorized the use of this Commercial Item Description (CID) for all federal agencies.

1. SCOPE. This CID covers the general requirements for electric heater guns. Typically the guns are used to thaw or dry out equipment or to shrink insulating tubing associated with electrical applications.

2. CLASSIFICATION. The heater guns shall conform to the following characteristics:

2.1 Type. The heater guns shall meet the temperature range requirements of table 1 with an air flow volume of 20 cubic feet per minute.

Table I. Characteristics.

Type	1	2	3
Heat Range Degrees Fahrenheit \pm 25° F	350 to 500 F	500 to 750 F	750 to 1000 F

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to: Defense Supply Center Columbus, ATTN: DSCC-VAI, 3990 East Broad Street, Columbus, Ohio 43216-5000.

3. SALIENT CHARACTERISTICS.

3.1 Construction. The heater guns shall conform to the standards of Underwriters Laboratory specification E47277, Electric Heating Applications; and NFPA70, the National Electric Code.

3.1.1 Mechanical Properties.

3.1.2 Function Switch. The guns shall be provide with a three-position switch. The positions of the switch shall be in the following sequence: ON – FAN – HEAT and shall be labeled as such. If the switch is spring loaded, provision will be made for locking the switch in the selected position.

3.1.3 Power Cord. Each gun shall be furnished with a power cord of not less than six feet. The power cord shall be made in accordance with NFPA-70 and shall have a 3 prong plug.

3.1.4 Voltage. The guns shall operate on single phase, alternating current of 120 volts AC at 60 Hertz.

3.1.5 Accessories. Each gun shall be provided with a stand that permits the heated air stream to be directed over a 90-degree arc. Each gun shall be provided with two heat reflectors used for heat shrinkable tubing. The reflectors shall provide for the even distribution of heat over at least 1.5 inches of length. One reflector will be for tubing up to .75 inch diameter and the second for tubing over .75 inch to at least two-inch diameter.

3.1.6 Heat Regulation. Each gun shall be equipped with a air regulating system that will control the discharge air temperature within the range for the particular model of gun.

3.1.7 Dimensions and Tolerances. The guns shall not exceed 16 inches in length, 6 inches in deep and 12 inches in height. The weight of the guns shall not exceed 4 pounds with the stand attached and shall be suitable for single hand operation.

3.1.8 Marking. Each gun shall be marked per the manufacturer's standard procedure with the manufacturer's name and part and or model number.

3.2 Finish. The manufacturer's standard commercial finish shall be suitable for the heater guns.

3.3 Workmanship. The heater guns shall be free from sharp edges, and constructed with the best commercial practice available within the heater gun industry.

4. REGULATORY REQUIREMENTS.

4.1 Recovered Materials. This offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

5. QUALITY ASSURANCE PROVISIONS.

5.1 Product Conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

5.2 Market Acceptability. The following market acceptability criteria are necessary to document the quality of the product to be provided under the requirements of this CID.

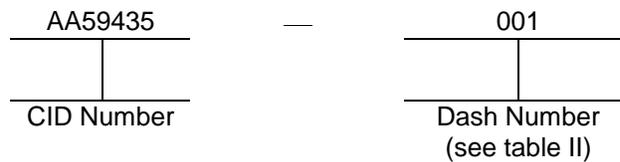
- a. The company producing the item must have been producing a product meeting the requirements of this CID, for at least five years.
- b. The company must have sold 1,000 units meeting this CID, in the commercial marketplace or to the Government, over the past two years.

6. PACKAGING.

6.1 Preservation, Packing and Marking. Preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES.

7.1 Part Identification Number (PIN). The following Part Identification Number procedure is for government purposes and does not constitute a requirement for the contractor. This example describes a part numbering system for CID A-A-XXXXX. See table II for corresponding CID dash numbers and the type of heater guns.



7.2 Ordering Data. The contract or order should specify the following:

- a. CID document number, revision, and CID PIN
- b. Quality assurance provisions
- c. Preservation, packing and marking as required. (see 5.1)

7.3 National Stock Numbers (NSNs). The NSNs listed in table II correspond to this CID.

Table II. National Stock Number / CID Cross Reference.

NSN	CAGE	Model	Heat Range °F	CID Dash #
4940-00-357-1369	59164	EP-3	300 to 500	001
4940-00-357-1369	83284	HG-301A	300 to 500	002
4940-00-785-1162	59164	EP-3	300 to 500	003
4940-00-785-1162	83284	HG-301A	300 to 500	004
4940-00-314-9789	59164	EP-3	300 to 500	005
4940-00-561-1002	59164	EP-5	500 to 750	006
4940-00-364-2828	59164	EP-5	500 to 750	007
4940-01-028-7493	59164	EP-5	500 to 750	008
4940-000438-1606	59164	EP-7	750 to 1000	009
4940-00-986-5899	59164	EP-7	750 to 1000	010
4940-01-391-7046	59164	EP-7	750 to 1000	011

7.4 Intended Use. The electric heater guns for thawing or drying operations requiring a stream of air or heated air. The heater gun can be used on heat shrinkable products used in electrical or electronic wiring which require a stream of air or heater air.

7.5 Sources of Supply. The following is a list of suppliers that have provided heater guns meeting the requirements of this CID to the Government in the past. This is not an all-inclusive list or an endorsement of any of the listed suppliers.

SUGGESTED SOUCES OF SUPPLY

<u>CAGE</u>	<u>Manufacturer's name and address</u>
59164	Eddy Products 1509 Rapids Dr. Racine, WI 53404-2333 (414) 633-2344
65309	Steinel America Inc. 9051 Lyndale Ave. South Minneapolis, MN 55420 (813) 646-3253
83284	Master Appliance Corp. 2420 18 th St. Racine, WI 53401 (414) 633-7791

7.6 Government Users. To acquire information on obtaining the heater guns from the Government inventory system, contact Defense Supply Center, Columbus, ATTN: DSCC, P.O. Box 3990, Columbus, OH 43216, or telephone (614) 692-7884.

7.7 UL standards are available from the Underwritten Laboratories, Inc., 333 Pfingston Road, Northbrook, IL, 60062.

7.8 NFPA standards are available from the National Fire Protection Associators, Batterymarch Park, Quincy, MA, 02269-9101.

Military Interests:

Civil Agency Coordinating Activity:
GSA - FSS

Custodians:
Air Force – 99
DLA – CC

Preparing activity:
DLA - CC

Review activity:
Air Force - 82

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